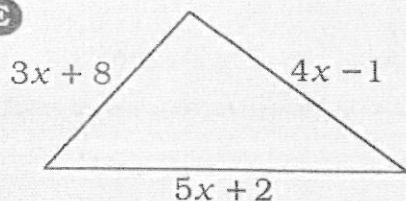


Mystery Message

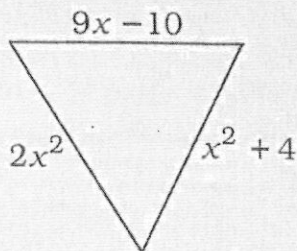
Do each exercise and find your answer at the bottom of the page. Write the letter of the exercise in the box above the answer. (Assume that figures that appear to be rectangular are rectangles.)

Part 1. Find the perimeter.

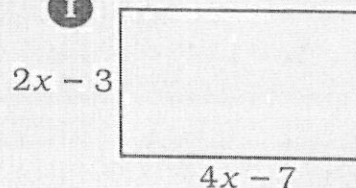
E



O

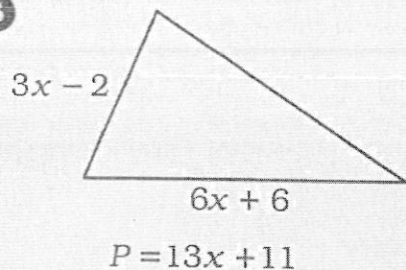


I

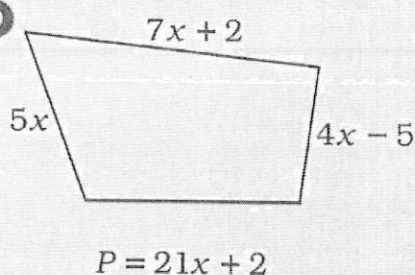


Part 2. Find the missing side length. The perimeter, P , is given.

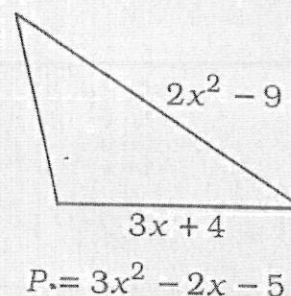
S



D

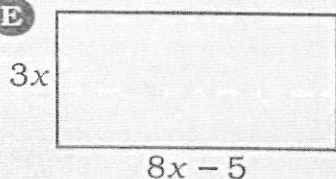


A

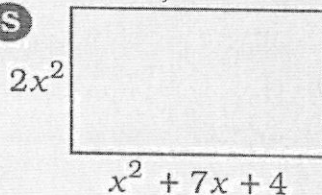


Part 3. Find the area.

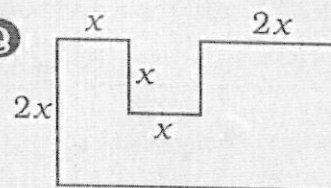
E



S

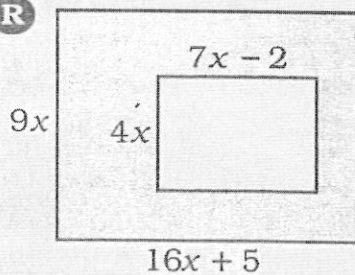


G

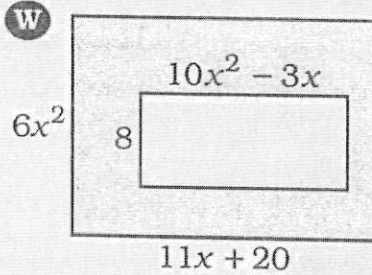


Part 4. Find the area of the shaded region.

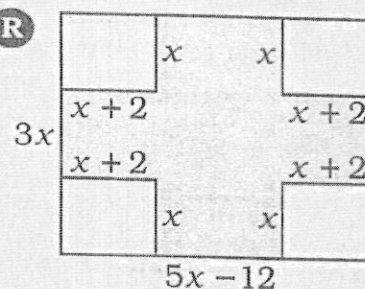
R



W



R



$7x^2$	$4x + 7$	$9x^2 - 40x$	$x^2 - 5x$	$116x^2 + 53x$	$12x + 9$	$2x^4 + 9x^3 + 12x^2$	$66x^3 + 40x^2 + 24x$	$24x^2 - 15x$	$12x - 20$	$11x^2 - 44x$	$5x + 5$	$64x^3 + 36x^2 + 30x$	$3x^2 + 9x - 6$	$2x^4 + 14x^3 + 8x^2$??
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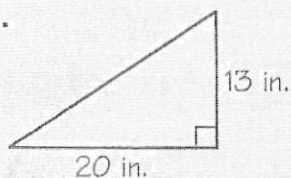
Where Does the Scent of a Lady's Perfume Go?

Do each exercise and find your answer at the bottom of the page (most answers are rounded). Cross out the letter above each correct answer.

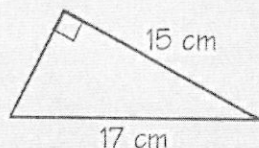


Find the missing side length, if possible.

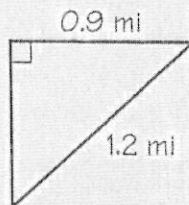
1.



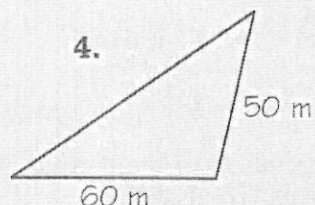
2.



3.



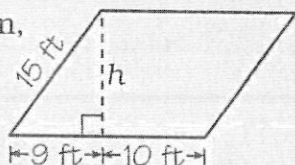
4.



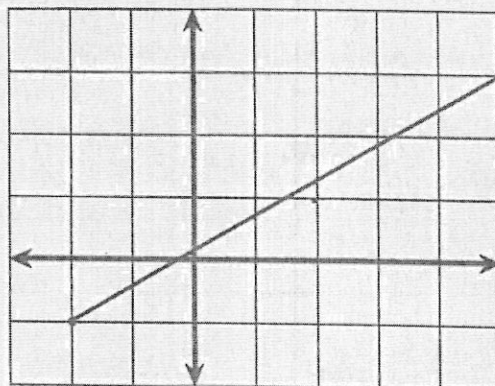
Solve.

5. For this parallelogram,

- Find the height.
- Find the area.

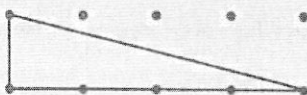


8. In a rectangular coordinate system, what is the distance from $(-2, -1)$ to $(5, 3)$?



6. These triangles are drawn on 1-cm dot paper. Find the perimeter of each.

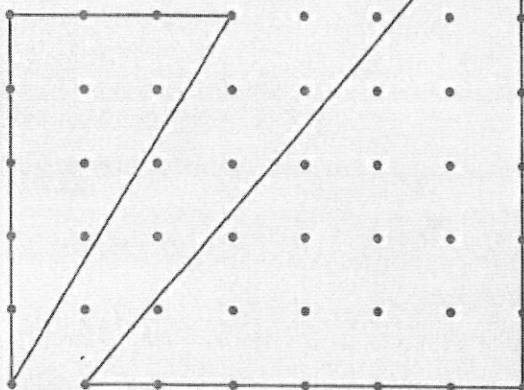
a.



b.

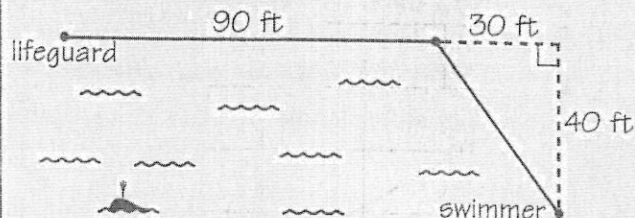


c.



7. A 50-ft cable is stretched from the top of an antenna to an anchor point on the ground 15 ft from the base of the antenna. How tall is the antenna?

9. A lifeguard spots a drowning swimmer 40 ft from the beach. She runs 90 ft along the beach at a speed of 15 ft/s, then jumps in the water and swims straight to the swimmer at a speed of 5 ft/s. How long does it take her to reach the swimmer?



G	O	N	E	T	O	O	S	N	C	E	N	T	G	O	L	E	S	T	E	D
47.7 ft	12 ft	8.4	13.8 cm	16 s	11.4 cm	10.5 ft	228 ft ²	18 s	0.8 mi	20.5 cm	46.9 ft	8.1	23.9 in.	0.6 mi	22.2 cm	not possible	275 ft ²	8 cm	24.2 in.	9.1 cm